

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A fluid dispenser comprising:

a fluid reservoir (10) serving to contain fluid; and

a dispenser head (2) mounted on the reservoir (10) to take fluid from the reservoir, said head (2) defining a dispensing chamber (26) communicating with the reservoir via an inlet valve (25, 215) and communicating with the outside at a dispensing orifice via an outlet valve (237, 222);

said dispenser being characterized in that the chamber (26) comprises at least one elastically deformable actuating wall (231) that is depressed in order to generate a pressure inside the chamber that is high enough to close the inlet valve and to open the outlet valve;

wherein the outlet valve forms the dispensing orifice from which the dispensed fluid can be collected;

wherein the outlet valve is formed by at least a portion of the at least one elastically deformable actuating wall contacting a member that has a fixed distance from the fluid reservoir.

2. (original): A dispenser according to claim 1, in which the actuating wall (231) is formed by a sleeve (23) that is at least locally flexible and that internally defines a portion (263) of the dispensing chamber (26).

3. (previously presented): A dispenser according to claim 1, in which the head (2) has a top (222) opposite from the reservoir, the dispensing orifice (27) being placed substantially at the top of the head.

4. (canceled).

5. (previously presented): A dispenser according to claim 2, in which the sleeve (23) has a stationary end forming anchor means (234) and an opposite end forming a flexible lip (237) in leaktight abutment against a seat (222), the lip and the seat together forming the outlet valve.

6. (previously presented): A dispenser according to claim 1, in which the head (2) has a body (21) forming a ring (211) serving to co-operate with the reservoir (10) for fastening the head (2) to the reservoir (1), said body (21) forming an inlet valve seat (215).

7. (currently amended): A fluid dispenser comprising:

a fluid reservoir (10) serving to contain fluid; and

a dispenser head (2) mounted on the reservoir (10) to take fluid from the reservoir, said head (2) defining a dispensing chamber (26) communicating with the reservoir via an inlet valve (25, 215) and communicating with the outside at a dispensing orifice via an outlet valve (237, 222);

wherein the chamber (26) comprises at least one elastically deformable actuating wall (231) that is depressed radially inward in order to generate a pressure inside the chamber that is high enough to close the inlet valve and to open the outlet valve;

wherein the head (2) further comprises a rigid tube (22) having a fastening end (277) and an opposite end (222) forming an outlet valve seat; and

wherein the actuating wall (231) is formed by a sleeve (23) extending around the tube (22).

8. (original): A dispenser according to claim 7, in which the tube (22) defines an internal volume (262) in which the inlet valve (25, 215) is received, the internal volume communicating with a peripheral volume (263) that extends around the tube inside the sleeve (23) via at least one through opening (233), the dispensing chamber (26) including the internal volume (262) and the external volume (263).

9. (currently amended): A dispenser according to claim 7;
in which the tube (22) is fastened to the a body (21) of the head via the fastening end (227), the sleeve (23) being fastened to the tube and to the body via anchor means (234).

10. (previously presented): A dispenser according to claim 1, in which the reservoir is airless, i.e. it does not have any air intake.

11. (previously presented): A dispenser according to claim 7, in which the reservoir (10) is elongate and is preferably in the form of a fine tube.

12. (previously presented): A dispenser according to claim 7, having the general shape of a pen that can be grasped in the hand in the manner of a pen, so that at least one finger of the hand is placed on the actuating wall (231) with the dispensing orifice disposed at the tip of the pen.

13. (previously presented): A dispenser according to claim 7, in which the sleeve (23) is surrounded by a substantially rigid sheath (24') that defines at least one window (245) giving access to the actuating wall (231).

14. (previously presented): A dispenser according to claim 7, in which the sleeve (23) is provided with a cap (25; 28) preventing access to the actuating wall.

15. (previously presented): A dispenser according to claim 13, wherein the sleeve (23) is provided with a cap (25; 28) preventing access to the actuating wall;
in which the cap (25) is mounted to turn on the rigid sheath (24') and is provided with at least one opening (255) serving to come into register with said at least one window (245) in a manner such as to enable the actuating wall to be accessed through a window and through an opening, with the window and the opening being mutually in register.

16. (original): A dispenser according to claim 14, in which the cap (28) has a collar (284) in contact with the sleeve.

17. (currently amended): A fluid dispenser comprising:
a reservoir that ~~contains~~for containing fluid; and
a rigid-tube mounted on the reservoir, the tube comprising an inlet valve disposed inside of the tube for selectively drawing fluid from the reservoir; and
an elastically deformable sleeve surrounding the rigid-tube;
wherein a space between the rigid-tube and the elastically deformable sleeve defines a dispensing chamber; and
wherein an outlet valve for the dispensing chamber is formed by the rigid-tube and the elastically deformable sleeve;
wherein the fluid dispenser is actuated by deforming the elastically deformable sleeve to increase the pressure in the dispensing chamber, thereby closing the inlet valve and opening the outlet valve.

18. (previously presented): The fluid dispenser according to claim 17, wherein the elastically deformable sleeve forms both an outlet for the dispenser chamber and a dispenser orifice from which the dispensed fluid can be collected.

19. (previously presented): The fluid dispenser according to claim 18, wherein the sleeve is flush with the tube in a longitudinal direction of the tube, such that the dispenser orifice is formed at a distal end of the tube.

20. (currently amended): The fluid dispenser according to claim 17, wherein the distance between a distal end of the rigid tube and the fluid reservoir remains constant during actuation of the fluid dispenser.